



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as first class mail in an envelope addressed to Commissioner of Patents and Trademarks, Washington, D.C. 20231 on August 20, 2002.

*Christine Spenard*  
Signature *RECEIVED*

Applicant : Wilf LeBlanc et al. SEP 06 2002  
Application No. : 09/533,022  
Filed : March 22, 2000 Technology Center 2600  
Title : VOICE AND DATA EXCHANGE OVER A PACKET  
BASED NETWORK WITH ECHO CANCELLATION  
Grp./Div. : 2739  
Examiner : To be Assigned RECEIVED  
Docket No. : 36791/PAN/B600 SEP 05 2002

INFORMATION DISCLOSURE STATEMENT  
37 CFR § 1.97(b)

Assistant Commissioner for Patents  
Washington, D.C. 20231

Post Office Box 7068  
Pasadena, CA 91109-7068  
August 20, 2002

Commissioner:

In compliance with the duty of disclosure under 37 CFR §§ 1.56, 1.97 and 1.98, and in accordance with the provisions in the Manual of Patent Examining Procedure §§ 609 and 707.05(b), enclosed is FORM PTO/SB/08A/B listing the references that are known to applicant. Copies of each of the listed references are enclosed. This filing is timely because it is made during one of the periods described in 37 CFR § 1.97(b).

It is respectfully requested that the listed references be considered in the examination of this application and identified on the list of references cited on the patent issuing for this application. Applicant also requests that an initialed copy of FORM PTO/SB/08A/B be entered in the application file and returned to applicant with the next communication from the Office in accordance with MPEP § 609.

Respectfully submitted,  
CHRISTIE, PARKER & HALE, LLP

By *Peter A. Nichols*  
Peter A. Nichols  
Reg. No. 47,822  
626/795-9900

PAN/cks

Enclosures: PTO/SB/08A/B, w/92 references  
Attachment to IDS

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /A.J./



PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as first class mail in an envelope addressed to Commissioner of Patents and Trademarks, Washington, D.C. 20231 on August 20, 2002.

Christine Sharwood  
Signature

Applicant : Wilf Le Blanc et al.  
Application No. : 09/533,022  
Filed : March 22, 2000  
Title : VOICE AND DATA EXCHANGE OVER A PACKET BASED  
NETWORK WITH ECHO CANCELLATION **RECEIVED**  
Grp./Div. : 2739 **SEP 06 2002**  
Examiner : To be Assigned  
Docket No. : 36791/PAN/B600 **Technology Center 2600**

ATTACHMENT TO  
INFORMATION DISCLOSURE STATEMENT  
OF U.S. PATENT APPLICATIONS TO BE CONSIDERED BY THE EXAMINER  
BUT NOT TO BE PRINTED ON THE PATENT

The following commonly owned, co-pending patent applications contain similar subject matter as the present application.

| PENDING<br>APPLICATIONS |                   |                         |
|-------------------------|-------------------|-------------------------|
| U.S. Serial No.         | Filing Date       | First Named Inventor(s) |
| 09/639,527              | August 16, 2000   | Jordan James Nicol      |
| 09/493,458              | January 28, 2000  | Henry Li                |
| 09/643,920              | August 23, 2000   | Onur Tackin et al.      |
| 09/692,554              | October 19, 2000  | Wilf Le Blanc et al.    |
| 09/644,586              | August 23, 2000   | Henry Li                |
| 09/643,921              | August 23, 2000   | Wilf Le Blanc et al.    |
| 09/653,261              | August 31, 2000   | Onur Tackin et al.      |
| 09/654,376              | September 1, 2000 | Onur Tackin             |
| 09/697,777              | October 26, 2000  | Wilf Le Blanc et al.    |
| 09/651,006              | August 29, 2000   | Kenny C. Kwan           |
| 09/522,184              | March 9, 2000     | Henry Li et al.         |
| EXAMINER                |                   | DATE CONSIDERED         |



FORM PTO/SB/08A/B (10-01)  
Substitute for PTO-1449A/B

Attorney Docket Number 36791/PAN/B600

**INFORMATION DISCLOSURE**

**STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Application Number 09/533,022

Filing Date March 22, 2000

Applicant(s) Wilf Le Blanc et al.

Group Art Unit 2739

Examiner Name To be Assigned

RECEIVED

**U.S. PATENT DOCUMENTS** SEP 06 2002

| EXAMINER INITIALS | CITE NO. <sup>1</sup> | DOCUMENT NUMBER<br>Number - kind code <sup>2</sup><br>(If known) | PUBLICATION DATE<br>MM-DD-YYYY | Technology Center 2600<br>NAME OF PATENTEE |
|-------------------|-----------------------|--|--------------------------------|--|
|                   |                       | 4,285,060  | 08-18-1981                     | Cobb et al.                                |
|                   |                       | 4,617,676  | 10-14-1986                     | Jayant et al.                              |
|                   |                       | 5,119,322  | 06-02-1992                     | Stroobach                                  |
|                   |                       | 5,339,384  | 08-16-1994                     | Chen                                       |
|                   |                       | 5,353,346  | 10-04-1994                     | Cox et al.                                 |
|                   |                       | 5,388,127  | 02-07-1995                     | Scarpa                                     |
|                   |                       | 5,452,289  | 09-19-1995                     | Sharma et al.                              |
|                   |                       | 5,454,015  | 09-26-1995                     | Olafsson                                   |
|                   |                       | 5,471,470  | 11-28-1995                     | Sharma et al.                              |
|                   |                       | 5,535,271  | 07-09-1996                     | Jangi et al.                               |
|                   |                       | 5,577,041  | 11-19-1996                     | Sharma et al.                              |
|                   |                       | 5,600,649  | 02-04-1997                     | Sharma et al.                              |
|                   |                       | 5,694,517  | 12-02-1997                     | Sugino et al.                              |
|                   |                       | 5,764,627  | 06-09-1998                     | Sharma et al.                              |
|                   |                       | 5,790,532  | 08-04-1998                     | Sharma et al.                              |
|                   |                       | 5,790,641  | 08-04-1998                     | Chan et al.                                |
|                   |                       | 5,793,498  | 08-11-1998                     | Scholl et al.                              |
|                   |                       | 5,818,929  | 10-06-1998                     | Yaguchi                                    |
|                   |                       | 5,852,630  | 12-22-1998                     | Langberg et al.                            |
|                   |                       | 5,859,671  | 01-12-1999                     | Kim  |
|                   |                       | 5,970,441  | 10-19-1999                     | Mekuria                                    |

RECEIVED

SEP 05 2002

GROUP 3600

|                    |                   |                    |            |
|--------------------|-------------------|--------------------|------------|
| EXAMINER SIGNATURE | /Alexander Jamal/ | DATE<br>CONSIDERED | 01/27/2010 |
|--------------------|-------------------|--------------------|------------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kind Codes of USPTO Patent Documents at [www.pto.gov](http://www.pto.gov) or MPEP 901.4. \*Enter Office that issued the document, by the two-letter code (WIPO standard ST.3). \*For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. \*Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.

Applicant is to place a check mark here if English Language Translation is attached.

AUG 3 0 2002



## INFORMATION DISCLOSURE

## STATEMENT BY APPLICANT

(use as many sheets as necessary)

Attorney Docket Number

36791/PAN/B600

Application Number

09/533,022

Filing Date

March 22, 2000

Applicant(s)

Wilf Le Blanc et al.

Group Art Unit

2739

Examiner Name

To be Assigned

SEP 0 0 2002

## U.S. PATENT DOCUMENTS

| EXAMINER INITIALS | Cite No. <sup>1</sup> | DOCUMENT NUMBER                                 | PUBLICATION DATE<br>MM-DD-YYYY | Technology Center 2600<br>NAME OF PATENTEE |
|-------------------|-----------------------|---|--------------------------------|--|
|                   |                       | Number - kind code <sup>2</sup> .<br>(If known) |                                |  |
|                   |                       | 5,987,061                                       | 11-16-1999                     | Chen                                       |
|                   |                       | 6,023,470                                       | 02-08-2000                     | Lee et al.                                 |
|                   |                       | 6,028,679                                       | 02-22-2000                     | Murphy                                     |
|                   |                       | 6,125,177                                       | 09-26-2000                     | Whittaker                                  |
|                   |                       | 6,141,341                                       | 10-31-2000                     | Jones et al.                               |
|                   |                       | 6,151,636                                       | 11-21-2000                     | Schuster et al.                            |
|                   |                       | 6,233,226 B1                                    | 05-15-2001                     | Gringeri et al.                            |
|                   |                       | 6,259,677 B1                                    | 07-10-2001                     | Jain                                       |

RECEIVED

SEP 0 5 2002  
GROUP 3600

## FOREIGN PATENT DOCUMENTS

| EXAMINER INITIALS | Cite No. <sup>1</sup> | Foreign Patent Document<br>Country Code <sup>3</sup> - Number <sup>4</sup> . Kind<br>Code <sup>5</sup> (If known) | Publication<br>Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | T <sup>6</sup><br>( <input checked="" type="checkbox"/> ) |
|-------------------|-----------------------|---|-----------------------------------|--|---|
|                   |                       | WO 97/26753 A1  | 07-24-1997                        | I-Link Worldwide, Inc.                             |   |
|                   |                       |   |                                   |  |   |

## OTHER DOCUMENTS

|                   |                       |  |
|-------------------|-----------------------|--|
| EXAMINER INITIALS | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.         |
|                   |                       | R. W. LUCKY, <i>QAM Receiver I. General Description of Complete Receiver Block Diagram and Details of the Symbol Clock Recovery and Other Front-End Subsystems</i> , Applications of Communications Theory, Chapter 13, pages 127-135, Bellcore 1995 |
|                   |                       | R. W. LUCKY, <i>QAM Receiver II. The Passband Adaptive Equalizer and Carrier Recovery System</i> , Applications of Communications Theory, Chapter 14, Pages 137-151, Bellcore 1995   |

|                    |                   |                    |            |
|--------------------|-------------------|--------------------|------------|
| EXAMINER SIGNATURE | /Alexander Jamal/ | DATE<br>CONSIDERED | 01/27/2010 |
|--------------------|-------------------|--------------------|------------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.pto.gov](http://www.pto.gov) or MPEP 901.4. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English Language Translation is attached.

Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Sheet 2 of 11

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /A.J./

|   |  |                        |                      |
|---|--|------------------------|----------------------|
| FORM PTO/SB/08A/B (10-01)<br>Substitute for PTO-1449A/B                                       |  | Attorney Docket Number | 36791/PAN/B600       |
| <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b><br><br>(use as many sheets as necessary) |  | Application Number     | 09/533,022           |
|   |  | Filing Date            | March 22, 2000       |
|   |  | Applicant(s)           | Wilf Le Blanc et al. |
|   |  | Group Art Unit         | 2739                 |
|   |  | Examiner Name          | To be Assigned       |

### OTHER DOCUMENTS

|                   |                       |   |  |
|-------------------|-----------------------|---|--|
| EXAMINER INITIALS | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published. |  |
|                   |                       | EDWARD A. LEE et al. <i>Adaptive Equalization</i> , Digital Communication, Chapter 9, 1998, pages 371-402   |  |
|                   |                       | EDWARD A. LEE et al., <i>Timing Recovery</i> , Digital Communication, Chapter 15, Pages 560-582 1998  |  |
|                   |                       | WILLIAM WEBB et al., <i>Basic Equaliser Techniques</i> , Modern Quadrature Amplitude Modulation, Principles and Applications for Fixed and Wireless Communications, IEEE Press, New York, Chapter 7, Pages 197-211 1994                     |  |
|                   |                       | MIKE GRAY, <i>FAX Technology Tutorial and Testing Issues</i> , Agilent Technologies, © 2000, pages 1-20   |  |
|                   |                       | <i>FAX Over IP Opportunities and Options</i> , Natural MicroSystems, 7 sheets Aug 10, 2000  |  |
|                   |                       | EIA/TIA-464-B, Requirements for Private Branch Exchange (PBX) Switching Equipment, "6 Signaling Requirements, 6.1 Network Signaling - Analog," pages 140-146 1996   |  |
|                   |                       | JOHN G. PROAKIS, <i>Digital Signaling Over a Channel With Intersymbol Interference</i> , Digital Communications, ISBN 0-07-05097-1, © 1983, Pages 357-381, McGraw-Hill, Inc.  |  |
|                   |                       | BELL COMMUNICATIONS RESEARCH, <i>Dual-Tone Multifrequency Receiver Generic Requirements for End-to-End Signaling Over Tandem-Switched Voice Links</i> , © March 1987, Technical Reference TR-TSY-000181 Issue 1, 11 sheets                  |  |
|                   |                       | BELL COMMUNICATIONS RESEARCH, <i>Impulse Noise Tape No. 201</i> , Technical Reference TR-TSY-000762 Issue 1, © July 1987, 4 sheets  |  |
|                   |                       | BELL COMMUNICATIONS RESEARCH, <i>Digit Simulation Test Tape</i> , Technical Reference TR-TSY-000763 Issue 1, © July 1987, 6 sheets  |  |
|                   |                       | JOHN A.C. BINGHAM, <i>Timing Recovery</i> , The Theory and Practice of Modem Design, © 1988, Chapter 7, pages 189-236, John Wiley & Sons, Inc.  |  |
|                   |                       | JOHN A.C. BINGHAM, <i>Linear Adaptive Equalizers</i> , The Theory and Practice of Modem Design, © 1988, Chapter 8, pages 237-252, John Wiley & Sons, Inc.   |  |

RECEIVED  
SEP 06 2002

|  |                   |                    |            |                        |
|--|-------------------|--------------------|------------|------------------------|
| EXAMINER SIGNATURE   | /Alexander Jamal/ | DATE<br>CONSIDERED | 01/27/2010 | Technology Center 2600 |
| EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds of USPTO Patent Documents at <a href="http://www.pto.gov">www.pto.gov</a> or MPEP 901.4. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO standard ST.3). <sup>4</sup> For Japanese patent documents: the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English Language Translation is attached. |                   |                    |            |                        |

FORM PTO/SB/08A/B (10-01)  
Substitute for PTO-1449A/B



Attorney Docket Number 36791/PAN/B600

INFORMATION DISCLOSURE

STATEMENT BY APPLICANT

(use as many sheets as necessary)

|                    |                      |
|--------------------|----------------------|
| Application Number | 09/533,022           |
| Filing Date        | March 22, 2000       |
| Applicant(s)       | Wilf Le Blanc et al. |
| Group Art Unit     | 2739                 |
| Examiner Name      | To be Assigned       |

OTHER DOCUMENTS

| EXAMINER INITIALS | CITE NO. <sup>1</sup> | INCLUDE NAME OF THE AUTHOR (IN CAPITAL LETTERS), TITLE OF THE ARTICLE, TITLE OF THE ITEM (BOOK, MAGAZINE, JOURNAL, SERIAL, SYMPOSIUM, CATALOG, ETC.), DATE, PAGE(S), VOLUME-ISSUE NUMBER(S), PUBLISHER, CITY AND/OR COUNTRY WHERE PUBLISHED.   |
|-------------------|-----------------------|--|
|                   |                       | INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, General Aspects of Digital Transmission Systems, Terminal Equipments, <i>Pulse Code Modulation (PCM) of Voice Frequencies</i> , ITU-T Recommendation, G. 711; © ITU1988, 1993; 8 sheets  |
|                   |                       | INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, General Aspects of Digital Transmission Systems, Terminal Equipments, <i>7 kHz Audio -Coding Within 64 Kbit/s</i> , ITU Recommendation; G. 722; © ITU 1988, 1993; 76 sheets  |
|                   |                       | INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, General Recommendations On Telephone Switching and Signalling, International Automatic and Semi-Automatic Working, <i>Technical Features of Push-Button Telephone Sets</i> , ITU-T Recommendation; Q. 23; © ITU 1988, 1993, 4 sheets |
|                   |                       | INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, General Recommendations on Telephone Switching and Signalling, International Automatic and Semi-Automatic Working, <i>Multifrequency Push-button Signal Reception</i> , ITU-T Recommendation, Q. 24; © ITU 1988, 1993, 7 sheets      |
|                   |                       | INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, Data Communication Over The Telephone Network, <i>300 Bits Per Second Duplex Modem Standardized For Use in The General Switched Telephone Network</i> , ITU-T Recommendation V. 20; © ITU 1988, 1993; 7 sheets                       |
|                   |                       | INTERNATIONAL TELECOMMUNICATION UNION, Data Communication Over The Telephone Network, <i>1200 Bits Per Second Duplex Modem Standardized For Use In The General Switched Telephone Network And On Point-To-Point 2-Wire Leased Telephone-Type Circuits</i> , ITU-T Recommendation V.22, © ITU 1988, 1993; 16 sheets                 |

VED

SEP 06 2002

Patent and Trademark Center 2600

|  |                   |                 |            |
|--|-------------------|-----------------|------------|
| EXAMINER SIGNATURE   | /Alexander Jamal/ | DATE CONSIDERED | 01/27/2010 |
| EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at <a href="http://www.pto.gov">www.pto.gov</a> or MPEP 901.4. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO standard ST-3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English Language Translation is attached. |                   |                 |            |

Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Sheet 4 of 11

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /A.J./



## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

|                        |                      |
|------------------------|----------------------|
| Attorney Docket Number | 36791/PAN/B600       |
| Application Number     | 09/533,022           |
| Filing Date            | March 22, 2000       |
| Applicant(s)           | Wilf Le Blanc et al. |
| Group Art Unit         | 2739                 |
| Examiner Name          | To be Assigned       |

RECEIVED  
DATE 2600

## OTHER DOCUMENTS

| EXAMINER INITIALS | CITE NO. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.  |
|-------------------|-----------------------|---|
|                   |                       | INTERNATIONAL TELECOMMUNICATION UNION, Data Communication Over The Telephone Network, <i>2400 Bits Per Second Duplex Modem Using The Frequency Division Technique Standardized For Use On The General Switched Telephone Network And On Point-To-Point 2-Wire Leased Telephone-Type Circuits</i> , ITU-T Recommendation V.22 bis, © 1988, 1993; 18 sheets |
|                   |                       | INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, Data Communication Over the Telephone Network, <i>4800/2400 Bits Per Second Modem Standardized For Use in The General Switched Telephone Network</i> , ITU-T Recommendation, V.27 ter, © ITU 1988, 1993; 15 sheets  |
|                   |                       | INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, Data Communication Over the Telephone Network, <i>9600 Bits Per Second Modem Standardized For Use On Point-To-Point 4-Wire Leased Telephone-Type Circuits</i> , ITU-T Recommendation, V. 29, © ITU 1988, 1993, 17 sheets                                    |
|                   |                       | FUYUN LING et al., <i>Convergence and Steady-State Behavior of a Phase-Splitting Fractionally Spaced Equalizer</i> , IEEE Transactions on Communications, © April 4, 1990, Vol. 38, No. 4, pages 418-425, IEEE  |
|                   |                       | PAUL FISCHER, <i>State Machines In C</i> , The C Users Journal, December 1990, pages 119-122  |
|                   |                       | INTERNATIONAL TELECOMMUNICATION UNION, CCITT The International Telegraph and Telephone Consultative Committee, Data Communication Over the Telephone Network, <i>Data Compression Procedures For Data Circuit Terminating Equipment (DCE) Using Error Correction Procedures</i> , ITU-T Recommendation, V.42 bis; © ITU 1990; 29 sheets                   |
|                   |                       | INTERNATIONAL TELECOMMUNICATION UNION, CCITT The International Telegraph and Telephone Consultative Committee, General Aspects of Digital Transmission Systems; Terminal Equipments, <i>40, 32, 24, 16 kbit/s Adaptive Differential Pulse Code Modulation (ADPCM)</i> , ITU-T Recommendation, G.726; © 1990; 59 sheets                                    |

|                    |                   |                    |            |
|--------------------|-------------------|--------------------|------------|
| EXAMINER SIGNATURE | /Alexander Jamal/ | DATE<br>CONSIDERED | 01/27/2010 |
|--------------------|-------------------|--------------------|------------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.pto.gov](http://www.pto.gov) or MPEP 901.4. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.

<sup>6</sup>Applicant is to place a check mark here if English Language Translation is attached.

|   |  |                        |                      |
|---|--|------------------------|----------------------|
| FORM PTO/SB/08A/B (10-01)<br>Substitute for PTO-1449A/B                                       |  | Attorney Docket Number | 36791/PAN/B600       |
| <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b><br><br>(use as many sheets as necessary) |  | Application Number     | 09/533,022           |
|   |  | Filing Date            | March 22, 2000       |
|   |  | Applicant(s)           | Wilf Le Blanc et al. |
|   |  | Group Art Unit         | 2739                 |
|   |  | Examiner Name          | To be Assigned       |



### OTHER DOCUMENTS

|                   |                       |  |
|-------------------|-----------------------|--|
| EXAMINER INITIALS | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.   |
|                   |                       | INTERNATIONAL TELECOMMUNICATION UNION, CCITT The International Telegraph and Telephone Consultative Committee, General Aspects of Digital Transmission Systems; Terminal Equipments, 5, 4, 3- And 2-bits Sample Embedded Adaptive Differential Pulse Code Modulation (ADPCM); Recommendation G. 727; © ITU 1990; 57 sheets         |
|                   |                       | INTERNATIONAL TELECOMMUNICATION UNION, CCITT- The International Telegraph and Telephone Consultative Committee, Data Communication Over the Telephone Network, A 2-Wire Modem for Facsimile Applications With Rates up to 14 400 bit/s, Recommendation V. 17; © ITU 1991; 13 sheets  |
|                   |                       | INTERNATIONAL TELECOMMUNICATION UNION, Data Communication Over The Telephone Network, A Duplex Modem Operating At Data Signalling Rates Of Up To 14 400 bit/s For Use On The General Switched Telephone Network And On Leased Point-To-Point 2-Wire Telephone-Type Circuits, ITU-T Recommendation V. 32 bis; © ITU 1991, 24 sheets |
|                   |                       | PANOS E. PAPAMICHALIS, Texas Instruments, Inc., <i>Practical Approaches to Speech Coding</i> , Prentice-Hall, Inc., Englewood Cliffs, New Jersey; 1992, pages 163-167  |
|                   |                       | INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU; General Aspects of Digital Transmission Systems; Terminal Equipments, <i>Coding of Speech at 16 kbit/s Using Low-delay Code Excited Linear Prediction</i> , Recommendation G. 728; 09/1992, 65 sheets                                |
|                   |                       | INTERNATIONAL TELECOMMUNICATION UNION, Data Communication Over The Telephone Network, A Family Of 2-Wire, Duplex Modems Operating At Data Signalling Rates Of Up To 9600 bit/s For Use On The General Switched Telephone Network And On Leased Telephone-Type Circuits, ITU-T Recommendation V.32; © 1993; 26 sheets               |

RECEIVED

SEP 06 2002

Technology Center 2600

|                    |                   |                    |            |
|--------------------|-------------------|--------------------|------------|
| EXAMINER SIGNATURE | /Alexander Jamal/ | DATE<br>CONSIDERED | 01/27/2010 |
|--------------------|-------------------|--------------------|------------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.pto.gov](http://www.pto.gov) or MPEP 901.4. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English Language Translation is attached.

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Sheet 6 of 11

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. (A.J.)



FORM PTO/SB/08A/B (10-01)  
Substitute for PTO-1449A/B

### INFORMATION DISCLOSURE

#### STATEMENT BY APPLICANT

(use as many sheets as necessary)

|                        |                      |
|------------------------|----------------------|
| Attorney Docket Number | 36791/PAN/B600       |
| Application Number     | 09/533,022           |
| Filing Date            | March 22, 2000       |
| Applicant(s)           | Wilf Le Blanc et al. |
| Group Art Unit         | 2739                 |
| Examiner Name          | To be Assigned       |

### OTHER DOCUMENTS

| EXAMINER INITIALS | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.  |
|-------------------|-----------------------|---|
|                   |                       | INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, Data Communication Over The Telephone Network, ERROR-CORRECTING PROCEDURES FOR DCES USING ASYNCHRONOUS-TO-SYNCHRONOUS CONVERSION, ITU-T Recommendation V. 42; © ITU 1993; 78 sheets   |
|                   |                       | GARDNER et al.; Qualcomm Inc.; <i>QCELP: A Variable Rate Speech Coder for CDMA Digital Cellular</i> , © 1993 by Kluwer Academic Publishers; Second Printing 1995; 9 sheets  |
|                   |                       | INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU; Data Communication Over The Telephone Network, <i>A Modem Operating At Data Signalling Rates Of Up To 28 800 bit/s For Use On The General Switched Telephone Network And On Leased Point-To-Point 2-Wire Telephone-Type Circuits</i> , ITU-T Recommendation V.34; © ITU 1994; 43 sheets |
|                   |                       | INTERNATIONAL TELECOMMUNICATION UNION ITU-T Telecommunication Standardization Sector of ITU, General Aspects of Digital Transmission Systems, <i>Coding of Speech at 16 kbit/s Using Low-Delay Code Excited Linear Prediction</i> , Annex G: 16 kbit/s Fixed Point Specification, ITU-T Recommendation G.728 - Annex G; © ITU 1995; 67 sheets   |
|                   |                       | IEEE; IEEE Standards for Local and Metropolitan Area Networks: Supplement to Carrier Sense Multiple Access with Collision Detection (CSMA/CD) Access Method and Physical Layer Specifications, "Media Access Control (MAC) Parameters, Physical Layer, Medium Attachment Units, and Repeater for 100 Mb/s Operation, Type 100BASE-T (Clauses 21-30); © 1995; 408 sheets               |
|                   |                       | DENNIS R. MORGAN et al., <i>A Delayless Subband Adaptive Filter Architecture</i> , IEEE Transactions on Signal Processing, Vol. 43, No. 8; © August 1995, pages 1819-1830   |
|                   |                       | Internet Papers: SCHULZRINNE H.; <i>RTP Profile for Audio and Video Conferences with Minimal Control</i> , Network Working Group Request for Comments: 1890; <a href="http://www.cis.ohio-state.edu/cgi-bin/rfc/rfc1890.html">http://www.cis.ohio-state.edu/cgi-bin/rfc/rfc1890.html</a> ; January 1996; 15 sheets  |

RECEIVED

01/27/2010 SEP 06 2002

|                    |                   |                    |                        |
|--------------------|-------------------|--------------------|------------------------|
| EXAMINER SIGNATURE | /Alexander Jamal/ | DATE<br>CONSIDERED | Technology Center 2600 |
|--------------------|-------------------|--------------------|------------------------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.pto.gov](http://www.pto.gov) or MPEP 901.4. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English Language Translation is attached.

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Sheet 7 of 11

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /A.J./

FORM PTO/SB/08A/B (10-01)  
Substitute for PTO-1449A/B

AUG 30 2002

Attorney Docket Number

36791/PAN/B600

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

PTO-1449A/B  
8050  
U.S. PATENT & TRADEMARK OFFICE

Application Number

09/533,022

Filing Date

March 22, 2000

Applicant(s)

Wilf Le Blanc et al.

Group Art Unit

2739

Examiner Name

To be Assigned

OTHER DOCUMENTS

|                   |                       |  |
|-------------------|-----------------------|--|
| EXAMINER INITIALS | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.   |
|                   |                       | INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, General Aspects of Digital Transmission Systems, <i>Dual Rate Speech Coder For Multimedia Communications Transmitting at 5.3 and 6.3 kbit/s</i> ; ITU-T Recommendation G. 723.1; © ITU 1996; 31 sheets   |
|                   |                       | INTERNATIONAL TELECOMMUNICATION UNION ITU-T Telecommunication Standardization Sector of ITU, General Aspects of Digital Transmission Systems, <i>Coding of Speech at 8 kbit/s Using Conjugate-Structure Algebraic-Code-Excited Linear-Prediction (CS-ACELP)</i> ; ITU-T Recommendation G.729; © ITU 1996; 38 sheets  |
|                   |                       | BELLCORE Bell Communication Research, Generic Requirements GR-506-CORE, <i>LSSGR: Signaling for Analog Interfaces</i> , (A Module of LSSGR, FR-64); Issue 1; © June 1996; 240 sheets   |
|                   |                       | INTERNATIONAL TELECOMMUNICATION UNION, ITU-T- Telecommunication Standardization Sector of ITU, Series T: Terminal Equipments and Protocols for Telematic Services, <i>Procedures for Document Facsimile Transmission in the General Switched Telephone Network</i> , ITU-T Recommendation T. 30; © ITU 1997; 74 sheets   |
|                   |                       | INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, Series T: Terminal Equipments and Protocols for Telematic Services, <i>Standardization of Group 3 Facsimile Terminals for Document Transmission</i> , ITU-T Recommendation T. 4; © ITU 1997; 61 sheets   |
|                   |                       | INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, Series G: Transmission Systems and Media, Digital Transmission Systems - Terminal Equipments - Coding of Analogue Signals By Methods Other Than PCM, <i>Dual Rate Speech Coder for Multimedia Communications Transmitting at 5.3 and 6.3 kbit/s, Annex A: Silence Compression Scheme</i> ; ITU-T Recommendation G.723.1 - Annex A; © ITU 1997; 22 sheets |

RECEIVED

SEP 06 2002

|                    |                   |                    |                                      |
|--------------------|-------------------|--------------------|--------------------------------------|
| EXAMINER SIGNATURE | /Alexander Jamal/ | DATE<br>CONSIDERED | Technology Center 2600<br>01/27/2010 |
|--------------------|-------------------|--------------------|--------------------------------------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.pto.gov](http://www.pto.gov) or MPEP 901.4. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English Language Translation is attached.

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Sheet 8 of 11

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH.



FORM PTO/SB/08A/B (10-01)  
Substitute for PTO-1449A/B

**INFORMATION DISCLOSURE**

**STATEMENT BY APPLICANT**

(use as many sheets as necessary)

|                        |                      |
|------------------------|----------------------|
| Attorney Docket Number | 36791/PAN/B600       |
| Application Number     | 09/533,022           |
| Filing Date            | March 22, 2000       |
| Applicant(s)           | Wilf Le Blanc et al. |
| Group Art Unit         | 2739                 |
| Examiner Name          | To be Assigned       |

**OTHER DOCUMENTS**

|                   |                       |  |
|-------------------|-----------------------|--|
| EXAMINER INITIALS | CITE NO. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.   |
|                   |                       | INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, Series G: Transmission Systems and Media, Digital Transmission Systems - Terminal Equipments - Coding of Analogue Signals by Methods Other Than PCM, "Coding of Speech at 8 kbit/s Using Conjugate Structure Algebraic-Code-Excited Linear-Prediction (CS-ACELP), Annex B: A Silence Compression Scheme For G.729 Optimized for Terminals Conforming to Recommendation V.70, ITU-T Recommendation G.729 - Annex B; © ITU 1997; 23 sheets |
|                   |                       | INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, Series G: Transmission Systems and Media, Digital Transmission Systems - Terminal Equipments - Coding of Analogue Signals by Methods Other Than PCM, <i>Coding of Speech at 8 kbit/s Using Conjugate Structure Algebraic-Code-Excited Linear-Prediction (CS-ACELP) Annex A: Reduced Complexity 8 kbit/s CS-ACELP Speech Codec</i> , ITU-T Recommendation G.729 - Annex A; © ITU 1997; 15 sheets  |
|                   |                       | European Telecommunication Standard, <i>Digital Cellular Telecommunications System; Half Rate Speech; Voice Activity Detector (VAD) for Half Rate Speech Traffic Channels (GSM 06.42 version 5.0.1)</i> ; Source ETS; TG-GSM; Reference DE/SMG-110642Q; ©1997; 21 sheets   |
|                   |                       | INTERNATIONAL TELECOMMUNICATION UNION, ITU-T, Telecommunication Standardization Sector of ITU, Series I: Integrated Services Digital Network, Overall Network Aspects and Functions - Protocol Layer Requirements, <i>B-ISDN ATM Adaptation Layer Specification: Type 2 AAL</i> , ITU-T Recommendation I.1363.2; © 1998; 47 sheets   |
|                   |                       | Internet Papers: PERKINS et al.; <i>RTP Payload for Redundant Audio Data</i> ; Network Working Group Request for Comments: 2198; <a href="http://www.cis.ohio-state.edu/cgi-bin/rfc/rfc2198.html">http://www.cis.ohio-state.edu/cgi-bin/rfc/rfc2198.html</a> ; September 1997; pages 1-9   |

**RECEIVED**

SEP 06 2002

Technology Center 2000

|  |                   |                    |            |
|--|-------------------|--------------------|------------|
| EXAMINER SIGNATURE   | /Alexander Jamal/ | DATE<br>CONSIDERED | 01/27/2010 |
| EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at <a href="http://www.pto.gov">www.pto.gov</a> or MPEP 901.4. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO standard ST-3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST-16 if possible. |                   |                    |            |
| <sup>6</sup> Applicant is to place a check mark here if English Language Translation is attached.  |                   |                    |            |
| Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE   |                   |                    |            |



FORM PTO/SB/08A/B (10-01)  
Substitute for PTO-1449A/B

Attorney Docket Number 36791/PAN/B600

**INFORMATION DISCLOSURE**

**STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Application Number 09/533,022

Filing Date March 22, 2000

Applicant(s) Wilf Le Blanc et al.

Group Art Unit 2739

Examiner Name To be Assigned

**OTHER DOCUMENTS**

| EXAMINER INITIALS | CITE NO. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.   |
|-------------------|-----------------------|--|
|                   |                       | Internet Papers: SCHULZRINNE, "RTP Profile for Audio and Video Conferences with Minimal Control," Internet Engineering Task Force, Internet Draft; <a href="http://hegel.ittc.ukans.edu/topics/internet/internet-drafts/draft-i/draft-ietf-avt-profile-new-00">http://hegel.ittc.ukans.edu/topics/internet/internet-drafts/draft-i/draft-ietf-avt-profile-new-00</a> ; November 20, 1997; pages 1-29   |
|                   |                       | IMTC Voice over IP Forum Technical Committee, "IMTC Voice over IP Forum Service Interoperability Implementation Agreement 1.0," December 1, 1997, VoIP97-061; pages 1-44   |
|                   |                       | EDWARD B. MORGAN, Fax Over Packet; Telogy Networks, Inc., Germantown, Maryland; © 1998; pages 1-12   |
|                   |                       | INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, Series V: Data Communication Over The Telephone Network, <i>A Modem Operating at Data Signalling Rates of up to 33 600 bit/s for Use on the General Switched Telephone Network and on Leased Point-to-Point 2-Wire Telephone-Type Circuits</i> ; ITU-T Recommendation V. 34; © ITU 1998; 78 sheets   |
|                   |                       | INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, SERIES T: TERMINALS FOR TELEOMATIC SERVICES, <i>Procedures for Real Time Group 3 Facsimile Communication Over IP Networks</i> , ITU-T Pre-published Recommendation T. 38; © ITU 1998; 32 sheets  |
|                   |                       | INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, Series V: Data Communication Over the Telephone Network, Simultaneous Transmission of Data and Other Signals, <i>A Digital Modem and Analogue Modem Pair For Use on the Public Switched Telephone Network (PSTN) at Data Signalling Rates of up to 56 000 bit/s Downstream and up to 33 600 bit/s Upstream</i> , ITU-T Recommendation V. 90; © ITU 1999; 49 sheets |
|                   |                       | FRAME RELAY FORUM TECHNICAL COMMITTEE, <i>Voice over Frame Relay Implementation Agreement</i> ; © 1998; 54 sheets  |

RECEIVED

SEP 06 2002

Technology Center 2600

|                    |                   |                    |            |
|--------------------|-------------------|--------------------|------------|
| EXAMINER SIGNATURE | /Alexander Jamal/ | DATE<br>CONSIDERED | 01/27/2010 |
|--------------------|-------------------|--------------------|------------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>2</sup>Applicant's unique citation designation number (optional). <sup>3</sup>See Kinds Codes of USPTO Patent Documents at [www.pto.gov](http://www.pto.gov) or MPEP 901.4. <sup>4</sup>Enter Office that issued the document, by the two-letter code (WIPO standard ST.3). <sup>5</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>6</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>7</sup>Applicant is to place a check mark here if English Language Translation is attached.

Patent and Trademark Office U.S. DEPARTMENT OF COMMERCE  
ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /A.J./  
Sheet 10 of 11

|  |                               |                      |
|--|-------------------------------|----------------------|
| <p>FORM PTO/SB/08A/B (10-01)<br/>Substitute for PTO-1449A/B</p> <p><b>INFORMATION DISCLOSURE</b></p> <p><b>STATEMENT BY APPLICANT</b></p> <p>(use as many sheets as necessary)</p> | <b>Attorney Docket Number</b> | 36791/PAN/B600       |
|  | <b>Application Number</b>     | 09/533,022           |
|  | <b>Filing Date</b>            | March 22, 2000       |
|  | <b>Applicant(s)</b>           | Wilf Le Blanc et al. |
|  | <b>Group Art Unit</b>         | 2739                 |
| <b>Examiner Name</b>   | To be Assigned                |                      |

#### OTHER DOCUMENTS

| EXAMINER INITIALS | CITE NO. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.   |
|-------------------|-----------------------|--|
|                   |                       | INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, Series I: Integrated Services Digital Network, Overall Network Aspects and Functions - Protocol Layer Requirements, <i>AAL Type 2 Service Specific Convergence Sublayer For Trunking</i> ; ITU-T Recommendation I.366.2; © ITU 1999; 96 sheets |
|                   |                       | INTERNATIONAL TELECOMMUNICATION UNION, ITU-T Telecommunication Standardization Sector of ITU, Series G: Transmission Systems and Media, Digital Systems and Networks, <i>Automatic Level Control Devices</i> ; ITU-T Recommendation G.169; © ITU 1999; pages 1-52  |
|                   |                       | Internet Papers: SCHULZIRINNE et al.; <i>RTP Payload for DTMF Digits, Telephony Tones and Telephony Signals</i> ; Network Working Group Request for Comments: 2833; © The Internet Society 2000; 31 sheets   |
|                   |                       | ETSI EN 300 973, GLOBAL SYSTEM FOR MOBILE COMMUNICATIONS, <i>Digital cellular telecommunications system (Phase 2+); Half rate speech; Voice Activity Detector (VAD) for half rate speech traffic channels</i> ; GSM 06.42 version 8.0.1 Release 1999; © 2000; pages 1-22   |

|   |                   |                 |            |
|---|-------------------|-----------------|------------|
| EXAMINER SIGNATURE  | /Alexander Jamal/ | DATE CONSIDERED | 01/27/2010 |
| <p>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at <a href="http://www.pto.gov">www.pto.gov</a> or MPEP 901.4. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English Language Translation is attached.</p> |                   |                 |            |

Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

PAN/tmw  
CRS PAS465203.1-8/19/02 2:21 PM

RECEIVED  
SEP 06 2002  
Technology Center 2600

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /A.J./